Inventors: Targan et al.
Filing Date: Herewith
Attorney Client-Matter No.: 66783-142

1/12

A GAT CTG GCC AGC GCC GTG GGC ATC CAG TCC GGC AGC ATC TTT CAT CAC TTC AAG AGC AAG K S F H s I Q S G ٧ G 1 S GAT GAG ATA TTG CGT. GCC GTG ATG GAG GAA ACC ATC CAT TAC AAC ACC GCG ATG ATG CGC HYNTA м м Ε E T - 1 ٧ M R A GCT TCA CTG GAG GAG GCG AGC ACG GTG CGC GAA CGC GTG CTG GCG CTG ATC CGC TGC GAG R L I Α Ε R. ٧ L R Ε Ε Α S T V L THE CAG TOG ATC ATE GGC GGC AGT GGC GAG GCC ATE GCG GTG CTG GTC TAC GAA TGG CGC V. Υ Ε ٧ E М Α L S G. Α G Q S 1 М G TOG CTG TOG GOO GAA GGO CAG GOG CAC GTG CTG GOC CTG CGT GAC GTG TAT GAG CAG ATC T Ε R D ٧ L Α L G Q A Н

FIGURE 1

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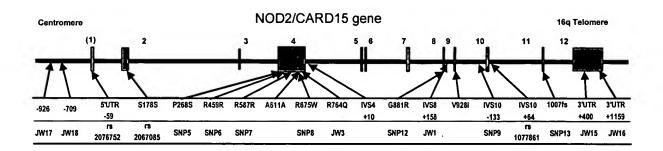


Figure 2A

3/12

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3, ACCLICACAL CACACCACCA LICCICACAC COCACACACA COCCICCIC 20	•
ACCOCCAGE ACCONCTICAC CETCTGTACA CTCTTCCCCC ACCAGECCCC	
GERCOLOGIC COCCCICCI GIGICCOCC CACCCICCC AACCACTICC 120	. ii√
TOPOGRACIO COCACIONA COCCACION COLLOCATA COLLOCATA 200	
CCCCCCTTCA TCTCCCTCAT CCCCACCCTG TACCACATCC ACCACCACCC 250. GCCCCCAACT ACACCCACTA GCCTCCCAC ATCCTCTACG TCCTCCTCCC	•
CCIGCTOCC AACCCIGCAC GIGCCOTCAA TGITGCCCAC CTCAAGITGA 300	
CATTITICCAE TGICCCCCCC ACTEACTETE CICCCCTCCC CATTITICCTC 350 GIAAAACETC ACACCCCCCC TGACTCACAC CACCCACCC GAAACACCAC	
CACACTIC GEOGGEGE GEOGGEGE CIGGACTACA ACICIGIGG 400	
ACTEDAACCE CACCICETCE ACCACCEAAC CCAACCACAG ACGITICCCAC	
TOTAGICAGI GITTACIGGGC ALTGOTIGFIC AGGITAGGGG GAGC 3' SEQ ID NO 3 ACATCACICA CAATGACCCC TAAGGACAAG TOCATACCCC CICG 5' SEQ ID NO 4	494

4/12

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		, .
5	GAGAGCACA AGGCACATTT CCAAGTCACC CAGAAAGACT	5 ' ATCAAAACCC
	CICICCIGI TCCCIGIAAA CCITCAGICG GICITICICA	3 'TAGITTICCG
100	TOTICAAAT CCAATGGICT TTTTTCCITA CTCCATTCCC	CGAGIGICCT
	AGAACITIA GETTACCAGA AAAAAGGAAT GAGGTAAGGG	GCTCACAGGA
	•	(F) 3 (2) (T)
150	CGTAGAAAT AAAGTTCAAA CACCTTCACA ACTGCCCCCA	TAACATIGIG
	CCATCITTA TITCAAGITT CIGGAAGICI IGACCGCGT	ATTGTAACAC
200	TTCACCTGA TCTCCCCAAG AAAACTGCAG GATAGACTCT	CTCCTCCT.
	AAGICCACT AGAGGGTTC TTTTGACGIC CTATCTGACA	CLEARING.
	FACTORITY CARCELLE MANAGEMENT	GAAGCTTACC
250	CICCGICCA GIICCACACC ACTACICCGI TCCCAACICG	CTTCGAATCG
	CLOCALGERY GLICCHERC WCINGLOCCI, ICCOMMOLOC	
700	CCCCICGI CACCCACtet gttgccccag aaicicaaaa 3	CAGGGCCTGG
300	GGGCACCA GIGGGIgaga caacggggtc ttacacitit	GICCCGGACC
	and a second second second section in the second se	•
 350	CAACACAC AGIGICAGIG AGIACCICAT AIGIGITCIA 3	GCCAAAAGA
J	GITGICIG TCACAGICAC TCATGGACIA TACACAAGAT	COCCITTICI
		•
400	CAGICCIC CICCCICICC ACICCCACCC ACACCCCAC 4	GACATGAACT
	GICAGGAG GAGGGACACG TCAGGGICGG TCICCCCGIC	CIGLACITGA
		C3 CC3 CCC3
450	CCAGAGIG GCCTCACIGG GGCTCCTGGT CCCAGCAAAG 4º	GALCACICAA I
	EGICICAC COCAGICACC COCAGGACCA GCGICGITIC	CIGGICARII. I
	C2(F2)	ستعمست
500	CATCITIT GEGIGEGATE GCCAAACTIA ACCCAAGAGT 50	ACCTGGAGG
	GTACAAAA COCACCCTAC CEGITICAAT TEGGITCICA	
	PACATTAC ACACTITACAC AAGACTACA	TITCAGIGGC T
540	TACATTAC ACACTTACAG AATAGTACAG3'-SEQ ID NOS 54	AAAGICACCG A
		- -

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				- •	*	:
5	TTTAAAAATG	AAATCATTGC	TOCCTACTE	. AACACCTAAA	CACITCITIC	E
3	'AAATTTTTAC	TTTAGTAACC	AGGATGAAT	TICICCATTI	CIGAAGAAAG	
	•				. •	
	TEACACAGAG	AATCAGATCC	TTCACATGCA	. CAATCATTCI	CACTGAATGT	100
	AATCIGICIC	TEAGICTAGG	AAGIGIACGI	CITAGIAACA	GIGACITIACA	
					•	
	CAGAATCAGA	. AGGGATCCTC	AAAATTCTGC	CATTOCTOTO	TOCCOTTCACC	150
	GICTIAGICT	TCCCTAGGAG	TTTTAAGACG	GIAAGGAGAG	AGGGCAGTGG	
						· . · .
	CCATTITACA	CATAGAAAA	CIGAGGITCG	CACACCTAAA	. ACAGGCCTGC	200
	GGTAAAATGT	CLATCITTTT	CACTOCAAGO	CICICGATII	TGTCCGGACG	
	CCAGGGCT	TACCAGACTT	CAGGATGG	GICATICCE	tcaaggggcc	250
•	CGTCCCCCGA	AIGGICICAA	GGTCCTACCA	CAGTAAggaa	. agttccccqq	
	tochecaece	CITCIGGGG	TAGGIAGGIG	ATGCAGTTAT	TGCACAACCT	300
					ACCIGIIGGA	
	GGAAAAGAAG	ATACAATGGT	GAGCTTCAAG	CATICITOGE	TTTCCTCTTG	350
		TATGITACCA				
				•		
	AAACIGICCA	GTTAAAGAGA	CTGCAGGAGT	TAGCCAGICT	ACTGAAGCCC	400
		CAATTICICT				
,	ACCIGICCCT	TAGACACATO	CIGCICATGI	CIGAGATICC	CAATGACCIC	450
	TGGACAGGGA	ATCIGIGIAG	CACCACTACA	GACTCTAAGG	GITACICEAC	
	ATCAACAAAG	CCICAGUACC	ATCACTGAAA.	TGTAACCGTC	TCTCTTCCAT	500
		CCACTCATCC				
	*				,	
	TCACTACATG	ACTTEATCAA	ATTAAGTAGC	CACTOCCTTA	G3 ! -SEQ ID NO 7	541
	AGTGATCTAC	TCAAATAGIT	TAATTCATCG	CTGACGGAAT	C5 '-SEO ID NO.	

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Attorney Client-Matter No.: 66783-142

6/12

atgaaagtta aagtactgtc cctcctggtc ccaqctctgc tggtagcagg cgcagcaaac gctgctgaag tttacaacaa agacggcaac aaattagatc tgtacggtaa agtagacggc ctgcactatt tctctgacaa caaagatgta gatggcgacc agacctacat gcgtcttggc ttcaaaggtg aaactcaggt tactgaccag ctgaccggtt acggccagtg ggaatatcag atccagggca acagcgctga aaacgaaaac aactcctgga cccgtgtggc attcgcaggt ctgaaattcc aggatgtggg ttctttcgac tacqqtcqta actacqqcqt tgtttatgac gtaacttcct ggaccgacgt actgccagaa ttcggtggtg acacctacgg ttctgacaac ttcatgcagc agcgtggtaa cggcttcgcg acctaccgta acactgactt cttcggtctg gttgacggcc tgaactttgc tgttcagtac cagggtaaaa acggcaaccc atctggtgaa ggctttacta gtggcgtaac taacaacggt cgtgacgcac tgcgtcaaaa cggcgacggc gtcggcggtt ctatcactta tgattacqaa qqtttcqqta tcqqtqqtqc gatctccagc tccaaacgta ctgatgctca gaacaccgct gcttacatcg gtaacggcga ccgtgctgaa acctacactg gtggtctgaa atacgacgct aacaacatct acctggctgc tcagtacacc cagacctaca acgcaactcg cgtaggttcc ctqqqttqqq cqaacaaaqc acaqaacttc qaaqctqttq ctcagtacca gttcgacttc ggtctgcgtc cgtccctggc ttacctgcag tctaaaggta aaaacctggg tcgtggctac gacgacgaag atatcctgaa atatgttgat gttggtgcta cctactactt caacaaaaac atgtccacct acgttgacta caaaatcaac ctgctggacg acaaccagtt cactcgtgac gctggcatca acactgataa catcgtagct ctgggtctgg tttaccagtt c seo ID NO: 9

FIGURE 3A

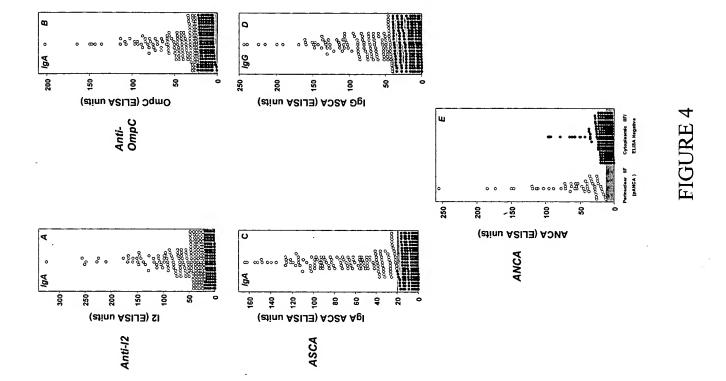
Inventors: Targan et al. Filing Date: Herewith Attorney Client-Matter No.: 66783-142

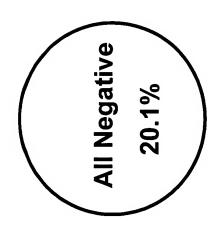
7/12

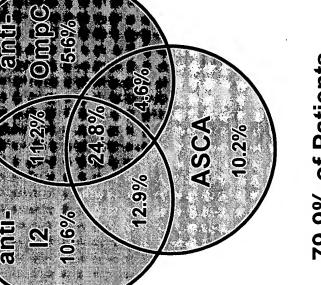
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SEQ ID NO: 10

FIGURE 3B

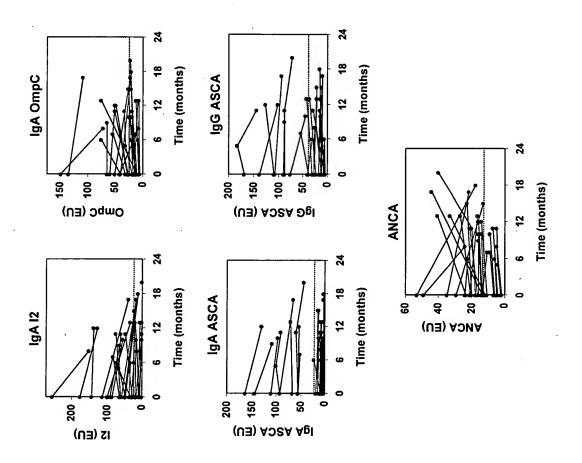






79.9% of Patients







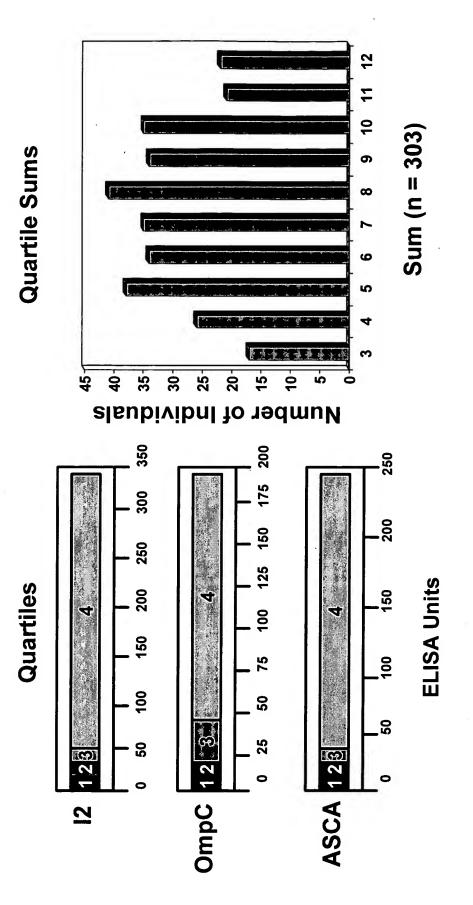
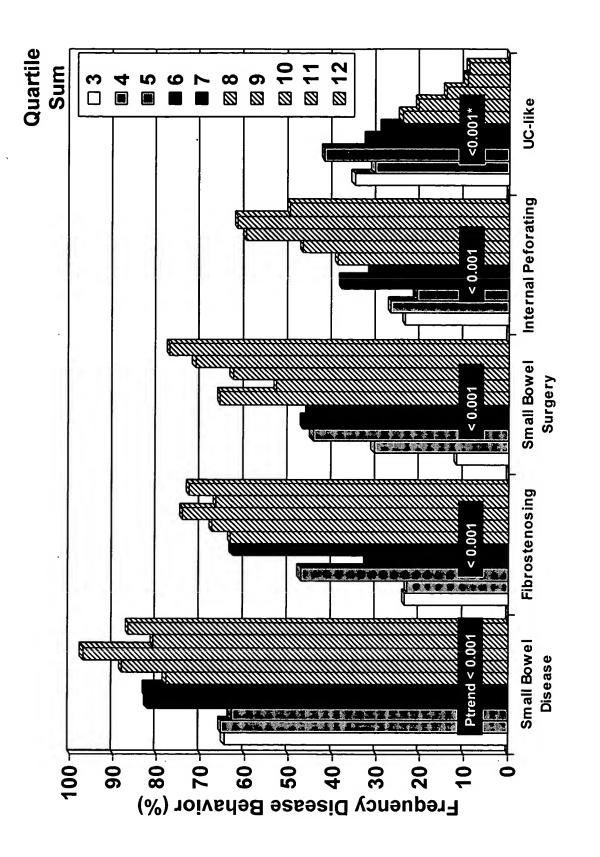


FIGURE 7

Title: METHODS OF ASSESSING CROHN'S DISEASE PATIENT PHENOTYPE BY 12,... Inventors: Targan et al.

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FIGURE 8